

**TECHNICAL SHEET**

<b>B1463</b>	<b>THIOGLYCOLLATE MEDIUM</b>	
<b>Formula</b>		
<b>Ingredients :</b>	<b>gms/lit.</b>	
Tryptone	15.00	
Yeast extract	5.00	
Glucose	5.50	
Sodium chloride	2.50	
L-cystine	0.50	
Sodium thioglycollate	0.50	
Resazurin sodium	0.001	
Agar	0.75	
Final pH (at 25°C) : 7.1 ± 0.2		
<b>Directions :</b>		
Suspend 29.75 grams in 1000 ml distilled water. Heat to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Store in a cool dark place preferably below 30°C. Note : If more than the upper one-third of the medium has acquired a pink colour, the medium may be restored once by heating in a water bath or in free flowing steam until the pink colour disappears.		
<b>Principle:</b>		
Tryptone and yeast extract supply nitrogenous compounds, vitamin B complex and other growth nutrients to the microorganisms. Dextrose is the carbohydrate source. L-cystine is the amino acid source. Sodium thioglycollate reduces Eh potential. Resazurin is the redox indicator. Sodium chloride maintains osmotic equilibrium.		
<b>QC Tests - (I)Dehydrated Medium</b>		
Colour :	Cream to yellow	
Appearance :	Homogeneous Free Flowing powder	
<b>(II)Rehydrated medium</b>		
pH (post autoclaving/heating) :	7.1 ± 0.2	
Colour (post autoclaving/heating) :	Light straw coloured, solution with upper 10% or less medium pink on standing.	
Clarity (post autoclaving/heating) :	Clear to slightly opalescent	
<b>(III)Q.C. Test Microbiological</b>		
Cultural characteristics observed after an incubation at 30-35°C for not more than 3 days.		
MICROORGANISM (ATCC)	GROWTH	
Clostridium sporogenes (11437)	Luxuriant	
Clostridium sporogenes (19404)	Luxuriant	
Clostridium sporogenes(NBRC 14293)	Luxuriant	
Clostridium perfringens (13124)	Luxuriant	
Bacteroides fragilis (23745)	Luxuriant	
Bacteroides vulgatus (8482)	Luxuriant	

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	Micrococcus luteus (10240)	Luxuriant			
	Streptococcus pneumoniae (6305)	Luxuriant			
	Staphylococcus aureus (6538)	Luxuriant			
	Staphylococcus aureus (25923)	Luxuriant			
	Bacillus subtilis (6633)	Luxuriant			
	Pseudomonas aeruginosa (9027)	Luxuriant			
	Pseudomonas aeruginosa (27853)	Luxuriant			
	Escherichia coli (25922)	Luxuriant			
	Escherichia coli (8739)	Luxuriant			
	Escherichia coli (NCTC9002)	Luxuriant			
	Salmonella Typhimurium (14028)	Luxuriant			
	Salmonella Abony (NCTC9027)	Luxuriant			
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>	For cultivation of anaerobic, micro-aerophilic and aerobic microorganisms and for sterility testing procedures. Recommended by USP and EP				
<b>Storage :</b>	Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1463</b>	29.75 g/l	16.80 L	7.1 ± 0.2	NIL	121°C /15 min.

**Disclaimer:**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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